

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for scheduling radio resource management (RRM) algorithms on a radio link ~~by coordinating the RRM algorithms, comprising the steps of:~~

gathering a plurality of events and storing the events together;

selecting a plurality of RRM algorithms to resolve the events, wherein each of the RRM algorithms in the plurality of algorithms is selected based on the plurality of gathered events;

invoking the selected RRM algorithms, wherein input to each algorithm comprises at least one of the events and each of the events is an input for at least one of the algorithms;

analyzing results of the invoked RRM algorithms ~~obtained in the invoking step;~~

determining ~~a subset of the selected RRM algorithms, comprising~~ at least two of the selected algorithms, ~~the subset of~~ said at least two algorithms to be executed to achieve an optimal result to resolve the events received, ~~wherein the~~ said

determination of ~~the subset of RRM algorithms is being~~ based on results obtained in ~~the analyzing step~~ said analyzing;

executing ~~the subset of determined RRM~~ said at least two algorithms on the radio link; and

placing the radio link into a busy state such that only one of said at least two RRM algorithms ~~in the subset can be executed and~~ operate on the radio link at a time, the radio link remaining in the busy state for the duration of the execution of each of said at least two RRM algorithms ~~in the subset~~.

2. (Currently amended) The method according to claim 1, wherein ~~the~~ said executing step includes:

preparing a set of predicted measurements for use by the other RRM algorithms ~~in the subset~~ of said at least two algorithms.

3. (Previously presented) The method according to claim 1, wherein the RRM algorithms include configuring a radio link.

4. (Previously presented) The method according to claim 1, wherein the RRM algorithms include reconfiguring an existing radio link.

5. (Currently amended) The method according to claim 1, wherein if ~~the subset of RRM~~ said at least two algorithms need[[s]] access to a radio link that is in the busy state, then ~~performing the steps of:~~

setting a flag associated with ~~the subset of RRM~~ said at least two algorithms to indicate a pending state; and

queuing ~~the subset of RRM~~ said at least two algorithms to be performed at a later time.

6. (Currently amended) The method according to claim 5, ~~wherein~~ comprising performing any queued RRM algorithms ~~are performed~~ when the radio link is in the idle state.

7. (Currently amended) The method according to claim 2, ~~wherein~~ comprising storing the set of predicted measurements ~~is stored~~ in a centralized database.

8. (Currently amended) The method according to claim 1, further comprising ~~the step of ordering the subset of RRM~~ said at least two algorithms, the ordering step being performed before ~~the said~~ executing step.

9. (Currently amended) A method for scheduling radio resource management (RRM) algorithms ~~by coordinating the RRM algorithms~~, comprising ~~the steps of:~~

gathering a plurality of events, wherein at least one RRM algorithm is associated with ~~the~~ each event;

storing the events together;

placing a radio link into a busy state for the duration of an RRM algorithm's execution, whereby all other RRM algorithms are denied access to the radio link until the completion of the RRM algorithm;

performing the RRM algorithm on the radio link;

preparing a set of predicted measurements for use by the other RRM algorithms; and

placing the radio link into an idle state, whereby the radio link is accessible by any RRM algorithm.

10. (Previously presented) The method according to claim 9, wherein the at least one RRM algorithm includes configuring a radio link.

11. (Previously presented) The method according to claim 9, wherein the at least one RRM algorithm includes reconfiguring an existing radio link.

12. (Currently amended) The method according to claim 9, wherein if the RRM algorithm to be performed needs access to a radio link that is in the busy state, then ~~performing the steps of:~~

setting a flag associated with the RRM algorithm to indicate a pending state;
and
queuing the RRM algorithm to be performed at a later time.

13. (Currently amended) The method according to claim 12, ~~wherein~~
comprising performing any queued RRM algorithm ~~is performed~~ when the radio link is in the idle state.

14. (Currently amended) The method according to claim 9, ~~wherein~~
comprising storing the set of predicted measurements ~~is stored~~ in a centralized database.

15. (Currently amended) The method of claim 1, wherein ~~the~~ said
invoking ~~step~~ comprises invoking the selected RRM algorithms in parallel.

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16. (Currently amended) The method of claim 1, wherein ~~the~~ said invoking ~~step~~ comprises invoking the selected RRM algorithms sequentially.